

## Aquawood Öl-Finish SQ

5188

Water-based oil for wooden windows for E-Static applications in industrial and commercial use.  
System-matched in a 2-layer structure

### PRODUCT DESCRIPTION

#### General

Water-based oil composed of high-quality natural and synthetic raw materials with low film formation. Very good penetration properties, highly water-repellent effect. Emphasises the character of the wood with a matt, natural-looking surface.

#### Special properties and standards



- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

#### Application area



Dimensionally stable timber components in exterior and interior areas, such as wooden windows or front doors, if an oiled surface is specifically requested and agreed (structure does not comply with current standards and guidelines, such as ÖNORM B 3803, ÖNORM C 2350).

For humid areas (e.g. indoor pools) only with a special coating system.

For non-dimensionally stable timber components we recommend Pullex Holzöl (4410), Lignovit Terra (5341) or Pullex Aqua-Terra (5347).

### PROCESSING

#### Processing instructions



- Please stir the product before use. However, prevent entry of air while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.
- When changing from Aquawood Öl-Finish SQ (5188) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.

- Please follow our **ARL 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part** along with all standards and guidelines for window construction.

### Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)
Spraying nozzle Ø (mm)	0,23	
Spray nozzle (Ø inch)	0,009	
Nozzle angle (°)	20 - 40	
Spraying pressure (bar)	60 - 80	
Vaporizer Air (bar)	-	0,5 - 1,5
Spraying distance (cm)	25	
Applied quantity per application (g/m <sup>2</sup> )	100 - 125	
Wet film (µm)	100 - 125	
Dry film complete coating system (µm)	15 - 25	

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

### Drying times

(at 23 °C and 50 % rel. humidity)



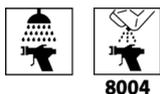
Dust dry (ISO 1517)	ca. 30 minutes
Tack-free	ca. 3 hour(s)
Recoatible	ca. 4 hour(s)
Stackable with PE fine foam spacers at room temperature	ca. 4 hour(s)
Stackable with PE fine foam spacers after forced drying 20 minutes evaporation/dripping zone 90 minutes drying phase (35 - 40 °C) 20 minutes cooling phase	ca. 130 minutes
Dried through	ca. 12 hour(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

### Cleaning the working equipment



With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8004) (diluted 1:1 with water).

## SUBSTRATE

### Type of substrate

Softwoods in accordance with the guidelines for window construction.

### Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

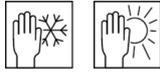
<b>Wood moisture</b>	13 % ± 2 %
<b>COATING SYSTEM</b>	
<b>General</b>	The following coating systems are exemplary.
<b>Impregnation</b>	<p>1 x Aquawood Primo A1 (5451) - Aquawood Primo (5453)</p> <p>Intermediate drying time: approx. 4 hours</p> <p>Use wood preservatives safely. Always read the label and observe the respective technical data sheets of the products before use.</p> <p>Please follow our <b>ARL 056 - Working guideline for the use of wood preservatives.</b></p>
<b>Intermediate sanding</b> 	<p>Grit size 280</p> <p>Remove sanding dust.</p>
<b>Finishing coat</b>	1 x Aquawood Öl-Finish SQ (5188)
<b>MAINTENANCE</b>	
<b>Care</b>	<p>The durability depends on several factors: these include particularly the type of weathering, constructive protection, mechanical stress and the choice of colour applied. To obtain long durability, regular inspection, maintenance and, if necessary, repair measures are necessary .</p> <p>For care purposes indoors, it is occasionally necessary to clean with warm water and sponge wipes. For cleaning, a mild neutral detergent can be added to the washing water.</p> <p>For outdoor use, depending on the intensity of the weathering at the place of installation, it is necessary to provide subsequent preservation 1 - 2 times a year using Pullex Holzöl (4410).</p>
<b>Maintenance</b>	Please follow our <b>ARL 304 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - Maintenance and repair.</b>
<b>ORDERING INFORMATION</b>	
<b>Size of trading unit</b>	5 kg, 25 kg, 120 kg
<b>Colour shades / Glosslevels</b>	<p><b>Standard colour(s):</b> Farblos (5188000200)</p> <p>The final colour is basically obtained from the inherent colour of the wood, the applied quantity, the colour of the impregnation and the colour of the finishing coat.</p> <p>In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.</p> <p>It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.</p>
<b>Supplementary products</b>	<p>Aqua-Cleaner (8004)</p> <p>Aquawood Primo A1 (5451)</p> <p>Aquawood Primo A2 (5452)</p> <p>Aquawood Primo (5453)</p> <p>Lignovit Terra (5341)</p>

Pullex Holzöl (4410)  
 Pullex Aqua-Terra (5347)

Please refer to the corresponding technical data sheets of the products.

## FURTHER DETAILS

### Durability / storage



Min. 6 month(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

### Technical specifications

VOC content of the ready-to-use mixture: EU limit for Aquawood Öl-Finish SQ (Cat A/e):130 g/l.  
 Aquawood Öl-Finish SQ contains maximum 100 g/IVOC.

### Giscode

BSW30

### DGNB (German Sustainable Building Council)

Quality level 4 (with factory coating)

### Safety information



The product is only suitable for the industrial and professional use.

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at [www.adler-lacke.com](http://www.adler-lacke.com).